

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
 Data File : VX007889.D
 Acq On : 07 Mar 2019 17:38
 Operator : JC/SP
 Sample : K1783-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2019-03-05-DUP-SW

Quant Time: Mar 08 04:44:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

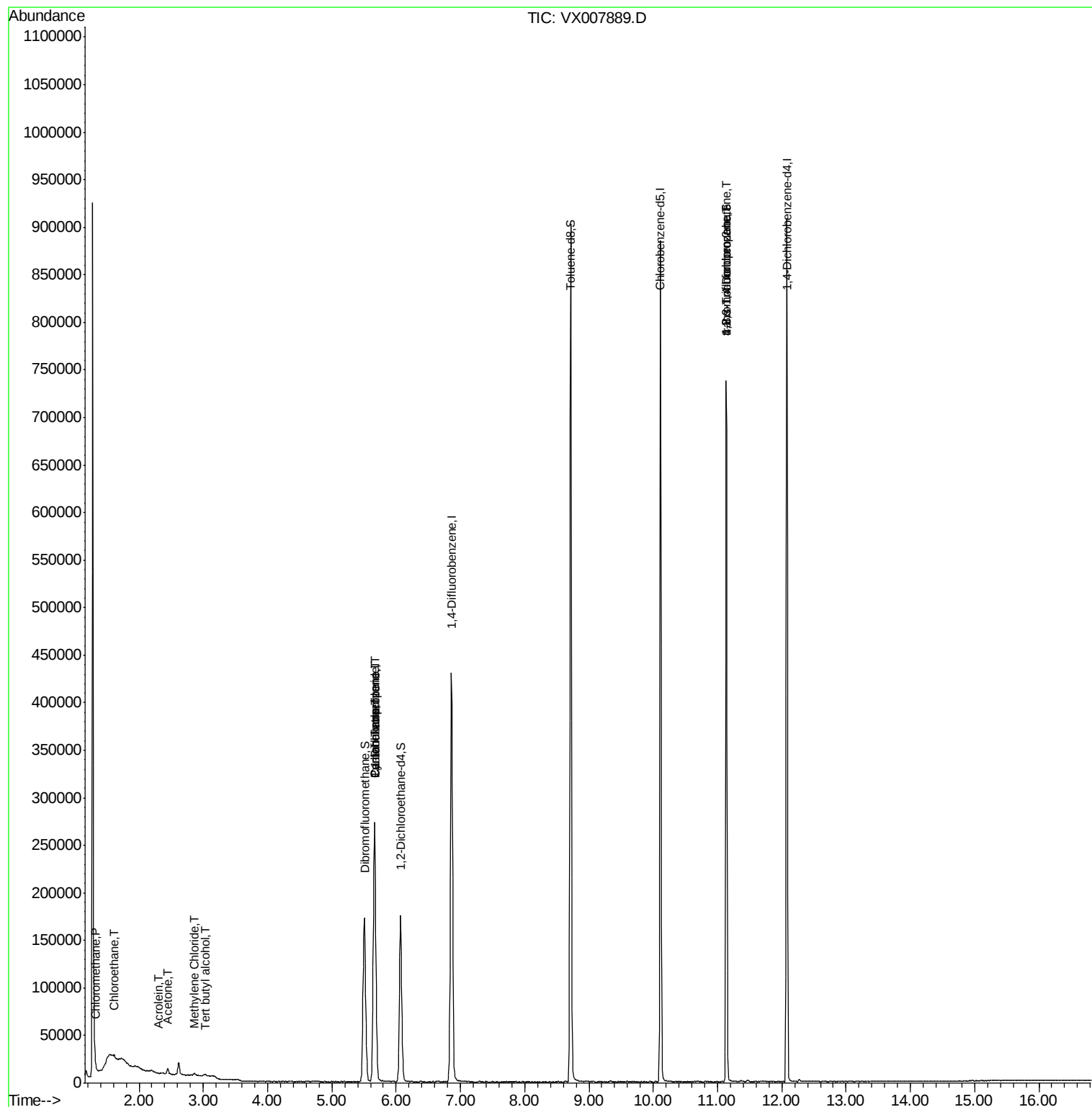
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	416975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198916	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158704	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
35) Dibromofluoromethane	5.51	113	148096	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
50) Toluene-d8	8.71	98	537989	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.13	95	193977	52.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	724	0.230	ug/l	99
5) Bromomethane	1.65	94	111	Below Cal	#	78
6) Chloroethane	1.62	64	3440	1.656	ug/l #	54
11) Tert butyl alcohol	3.02	59	1636	2.427	ug/l #	73
13) Acrolein	2.30	56	42	1.651	ug/l	88
16) Acetone	2.45	43	5830	3.341	ug/l	99
17) Carbon Disulfide	2.57	76	823	Below Cal	#	71
20) Methylene Chloride	2.85	84	672	0.242	ug/l #	76
31) Cyclohexane	5.66	56	4577	0.988	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17940	4.453	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24055	6.289	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	89894	21.536	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	89894	68.840	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

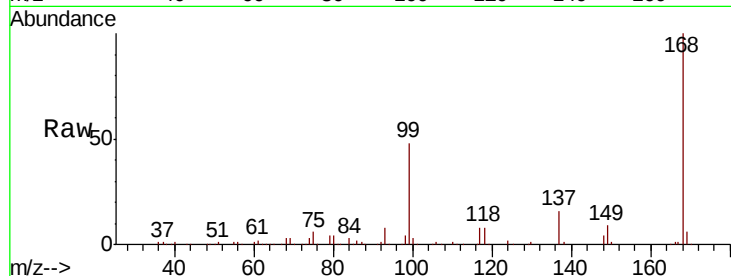
2019-03-05-DUP-SW

Tgt Ion:168 Resp: 285756

Ion Ratio Lower Upper

168 100

99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

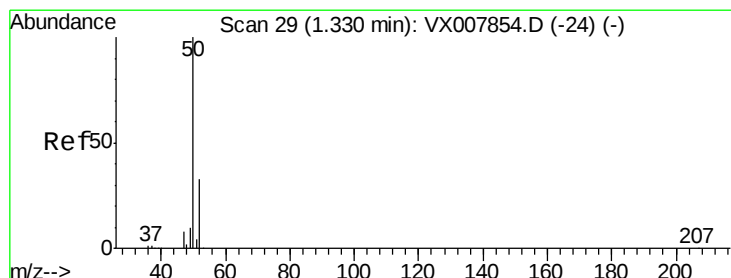
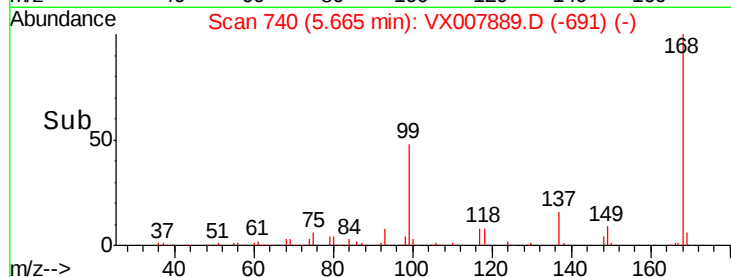
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007889.D

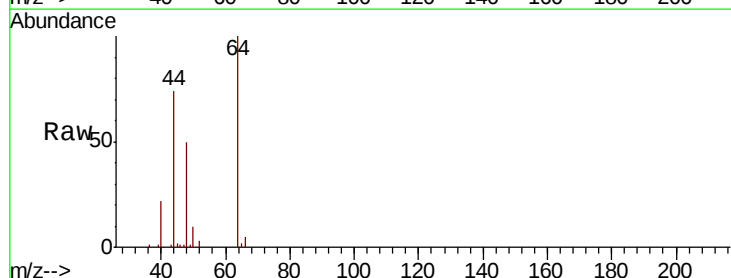
Acq: 07 Mar 2019 17:38

Tgt Ion: 50 Resp: 724

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

5000

4000

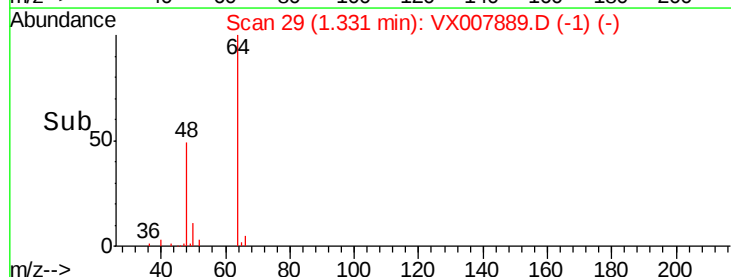
3000

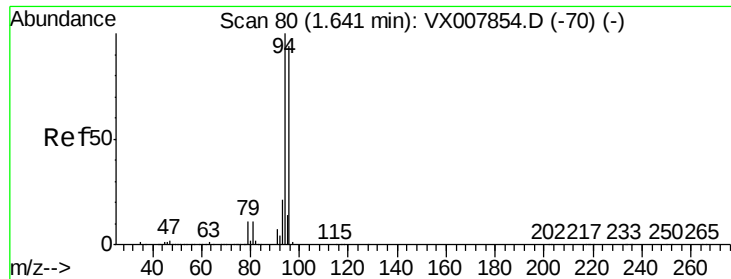
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

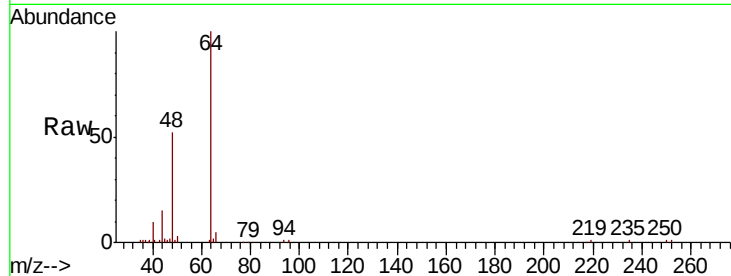
2019-03-05-DUP-SW

Tgt Ion: 94 Resp: 111

Ion Ratio Lower Upper

94 100

96 72.8 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120

100

80

60

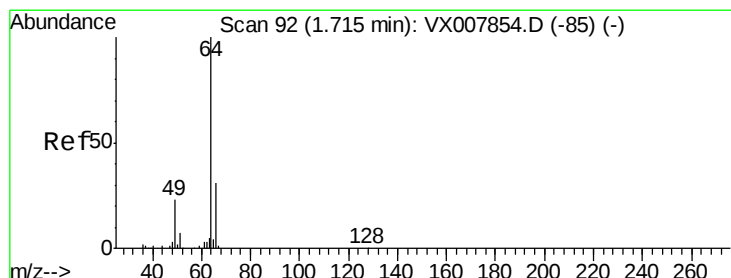
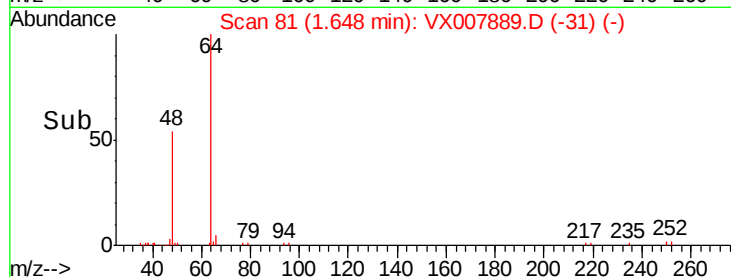
40

20

0

1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: 1.656 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX007889.D

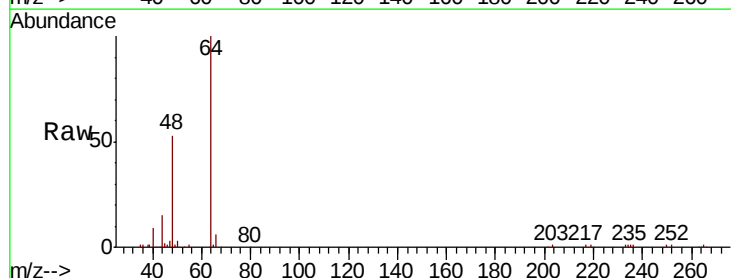
Acq: 07 Mar 2019 17:38

Tgt Ion: 64 Resp: 3440

Ion Ratio Lower Upper

64 100

66 6.1 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

15000

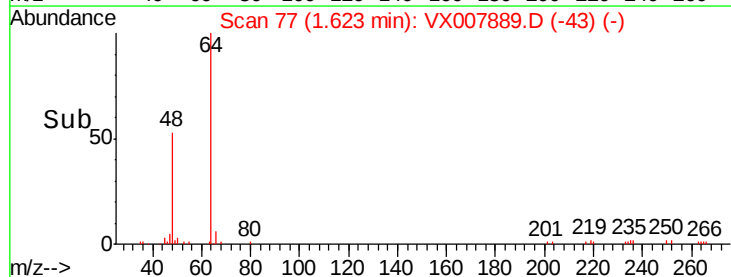
10000

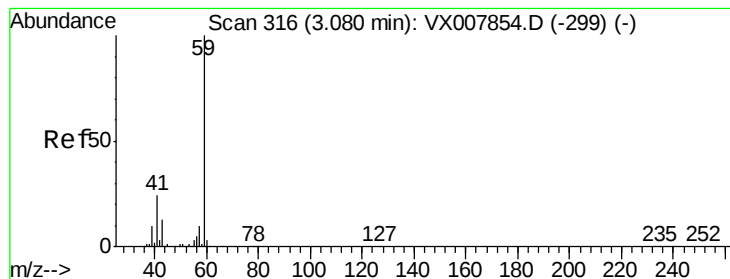
5000

0

1.60 1.62 1.64 1.66

Time-->





#11

Tert butyl alcohol

Concen: 2.427 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

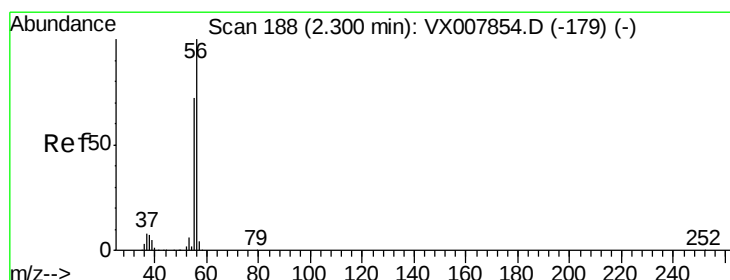
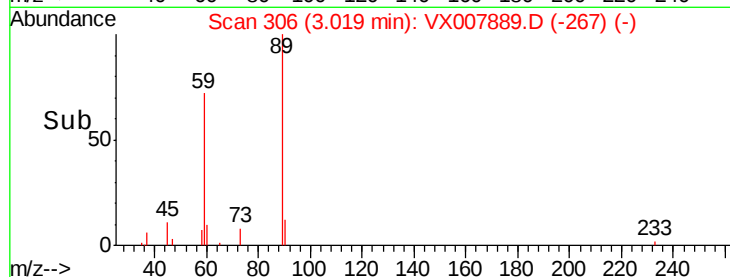
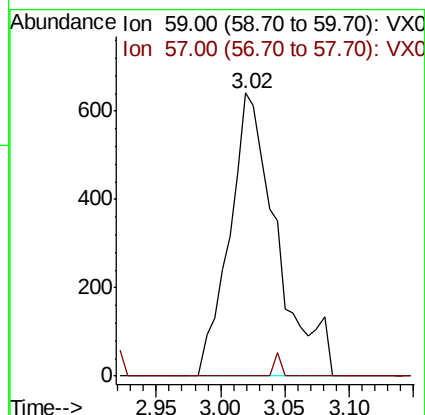
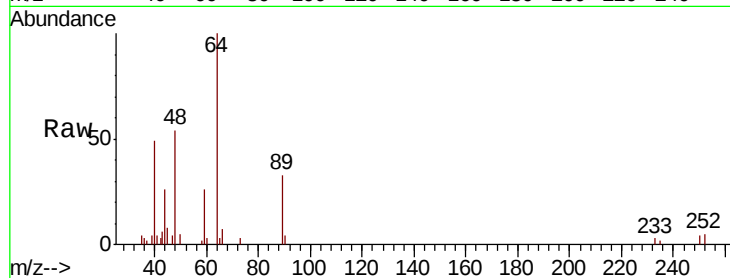
2019-03-05-DUP-SW

Tgt Ion: 59 Resp: 1636

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 1.651 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007889.D

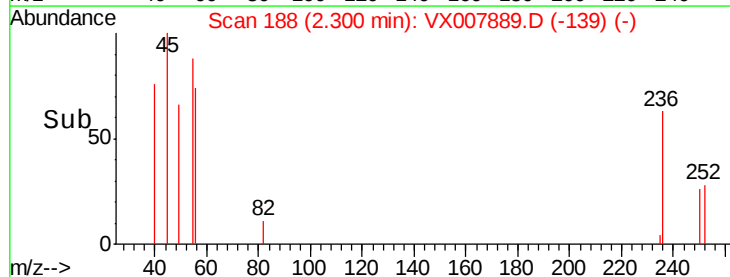
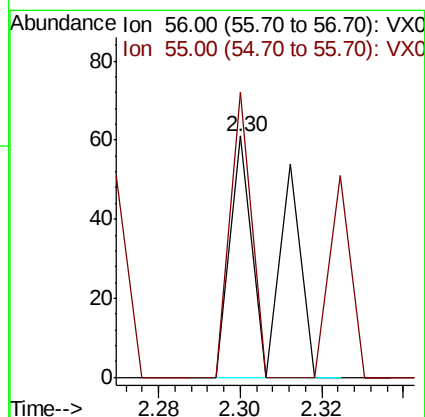
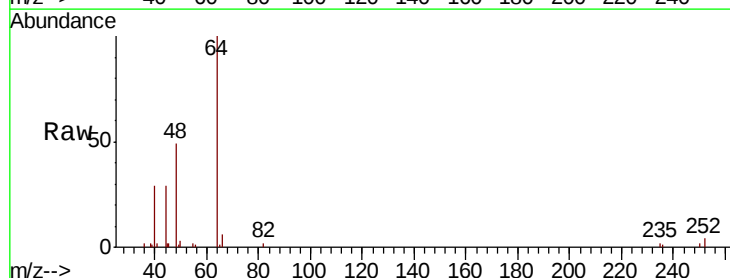
Acq: 07 Mar 2019 17:38

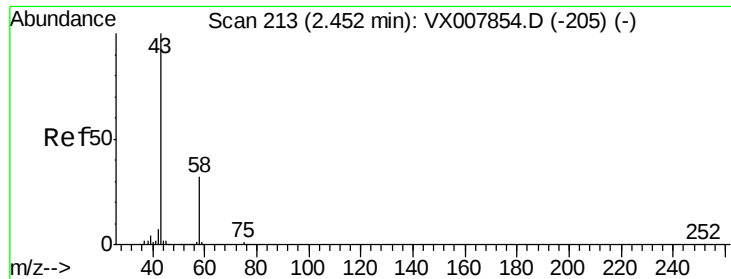
Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 61.9 57.8 86.6





#16

Acetone

Concen: 3.341 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

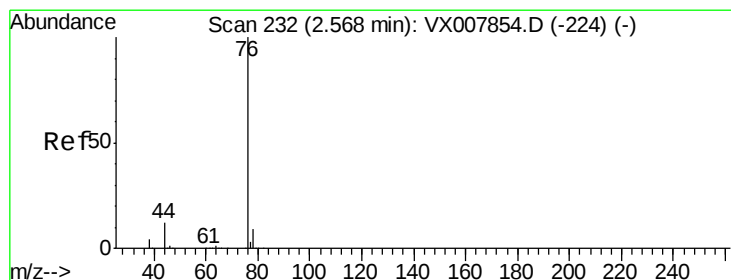
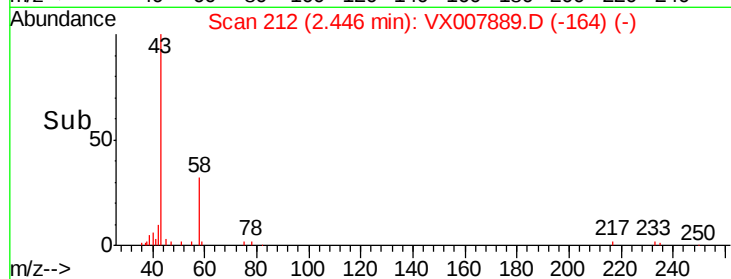
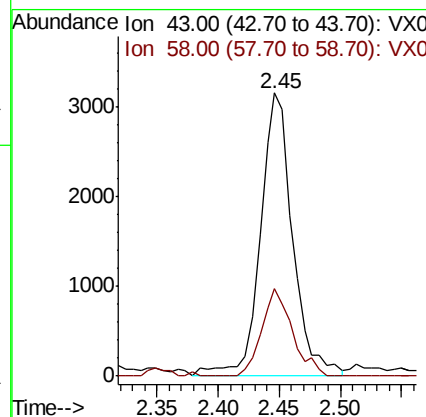
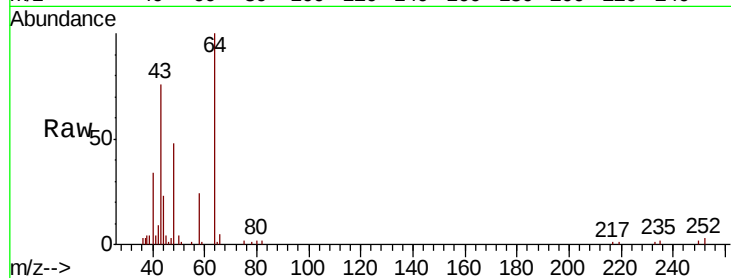
2019-03-05-DUP-SW

Tgt Ion: 43 Resp: 5830

Ion Ratio Lower Upper

43 100

58 31.1 25.5 38.3



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007889.D

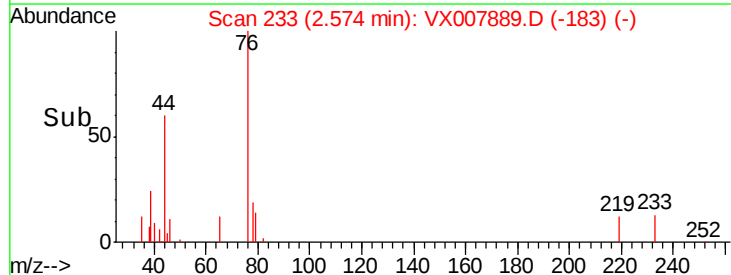
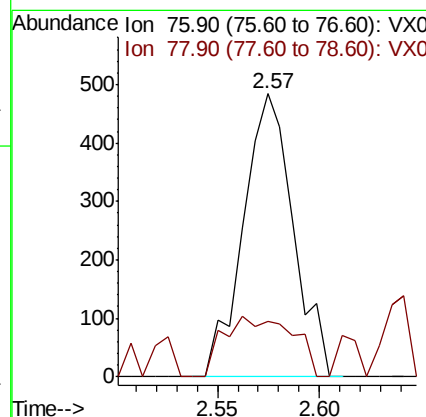
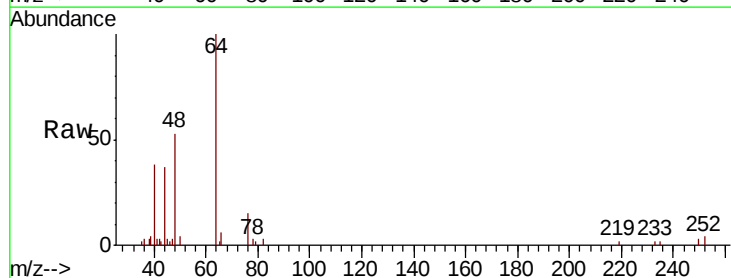
Acq: 07 Mar 2019 17:38

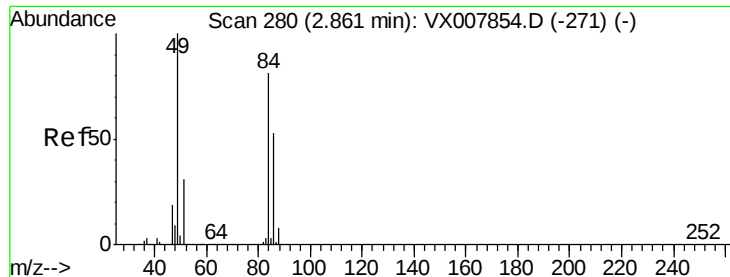
Tgt Ion: 76 Resp: 823

Ion Ratio Lower Upper

76 100

78 19.4 7.2 10.8#

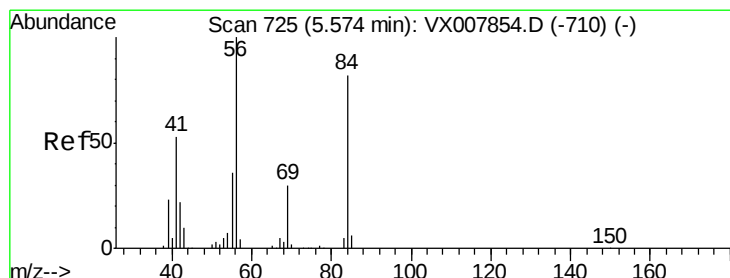
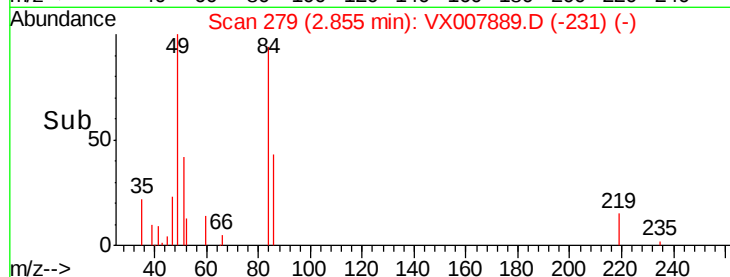
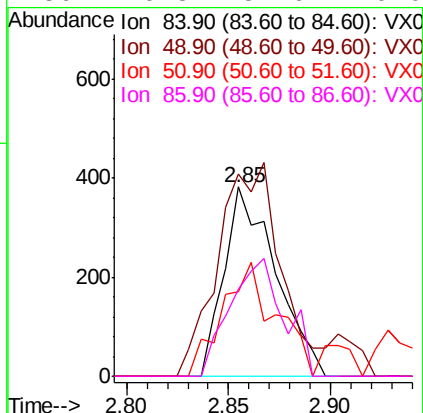
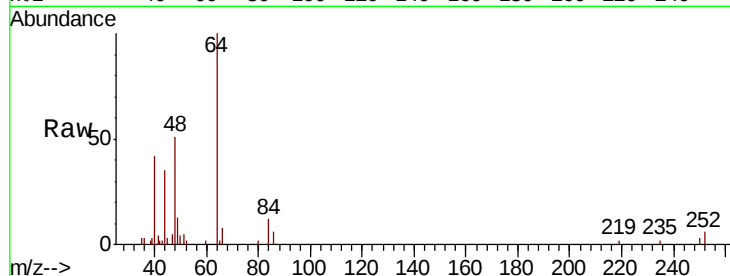




#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007889.D
Acq: 07 Mar 2019 17:38

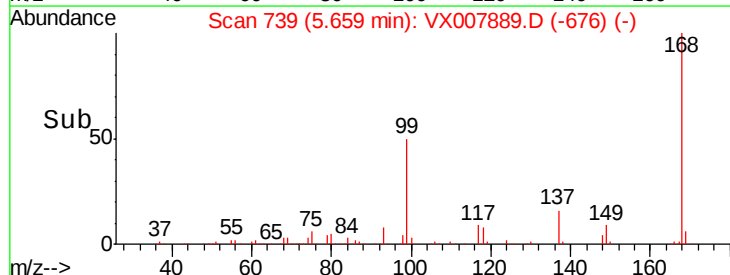
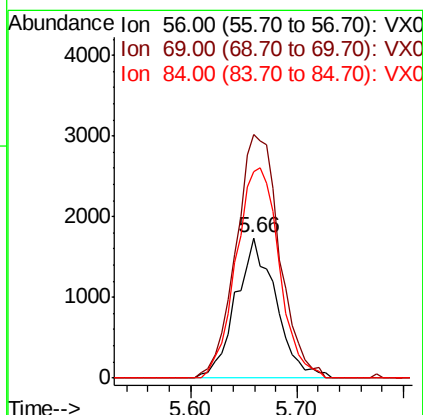
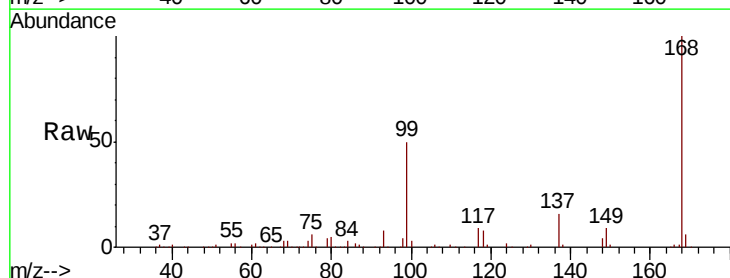
Instrument :
MSVOA_X
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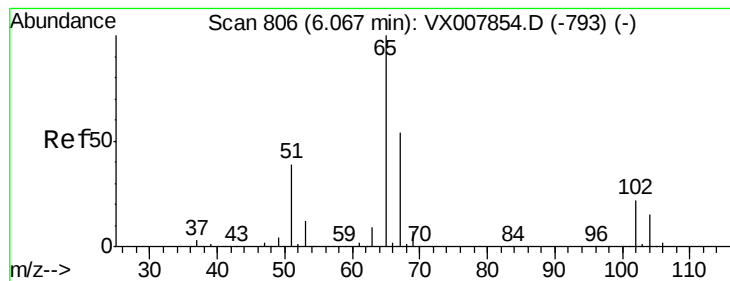
Tgt Ion: 84 Resp: 672
Ion Ratio Lower Upper
84 100
49 92.7 99.3 148.9#
51 44.5 31.3 46.9
86 46.3 52.6 79.0#



#31
Cyclohexane
Concen: 0.988 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007889.D
Acq: 07 Mar 2019 17:38

Tgt Ion: 56 Resp: 4577
Ion Ratio Lower Upper
56 100
69 173.8 24.0 36.0#
84 147.4 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 52.648 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

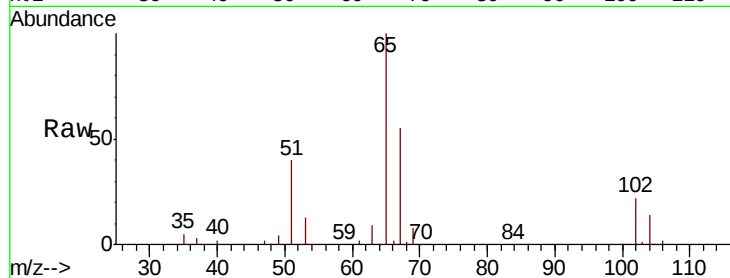
2019-03-05-DUP-SW

Tgt Ion: 65 Resp: 158704

Ion Ratio Lower Upper

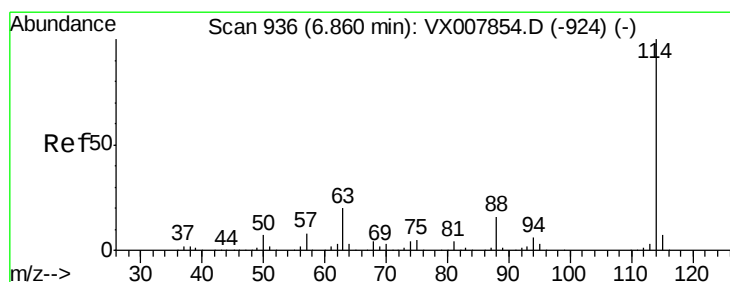
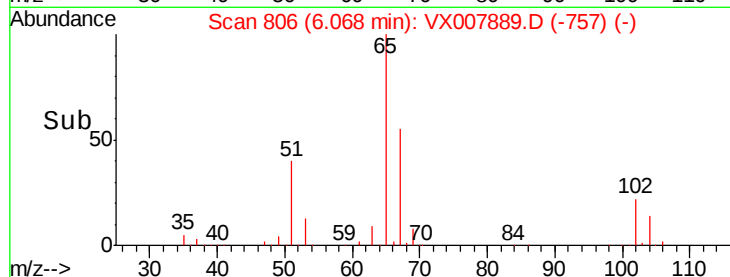
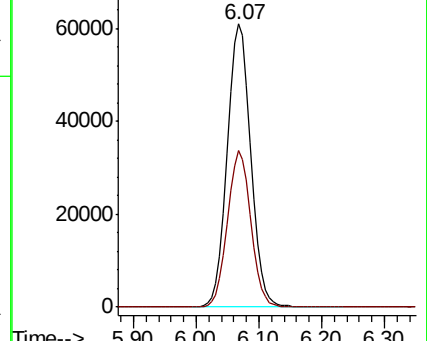
65 100

67 54.7 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

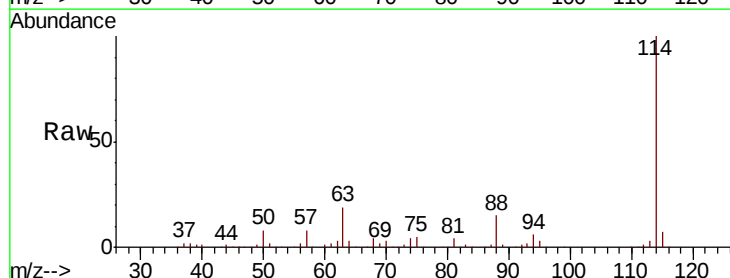
Tgt Ion: 114 Resp: 444925

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.8

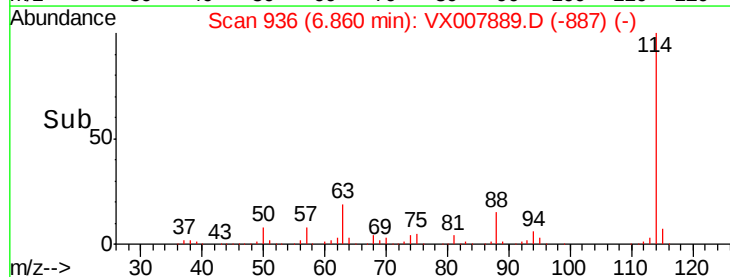
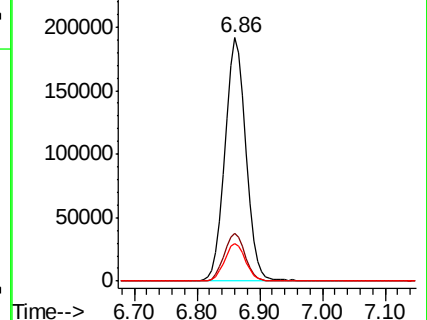
88 15.3 0.0 31.4

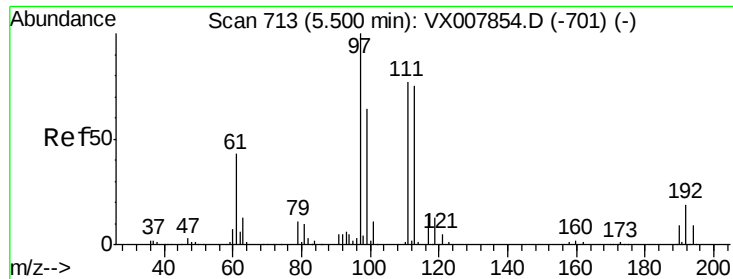


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

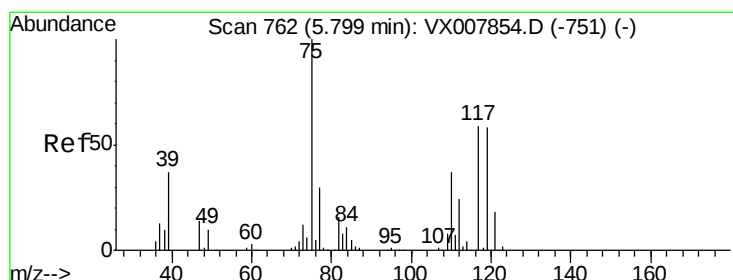
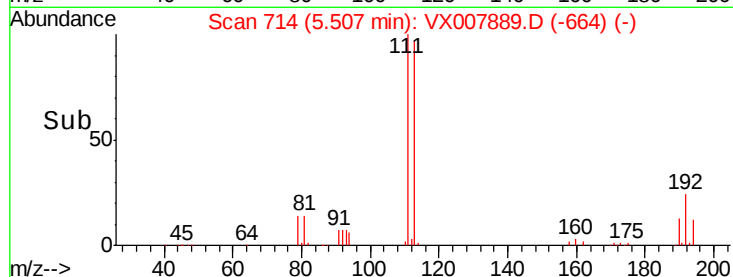
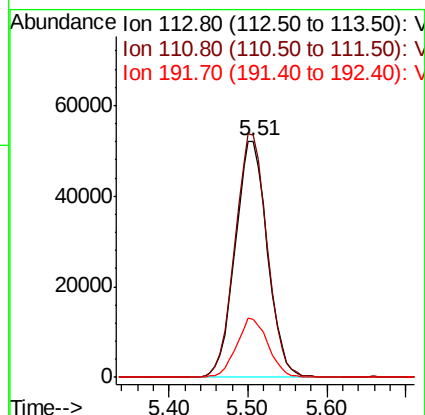
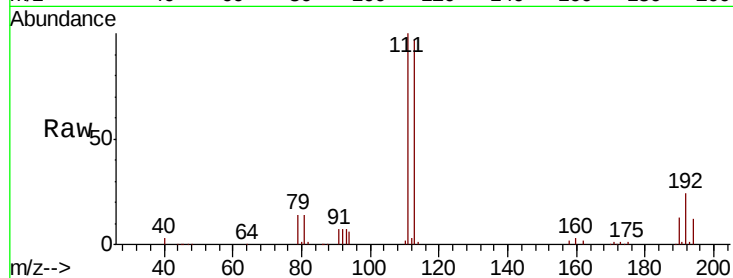




#35
 Dibromofluoromethane
 Concen: 52.036 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007889.D
 Acq: 07 Mar 2019 17:38

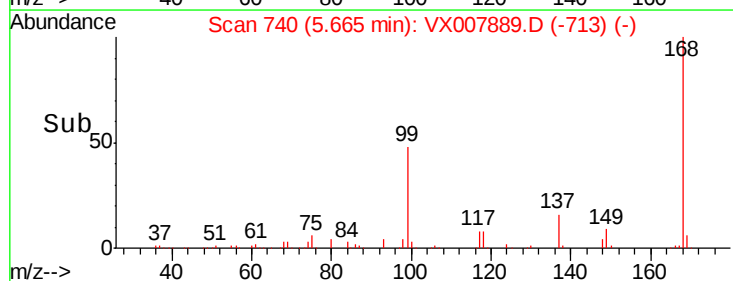
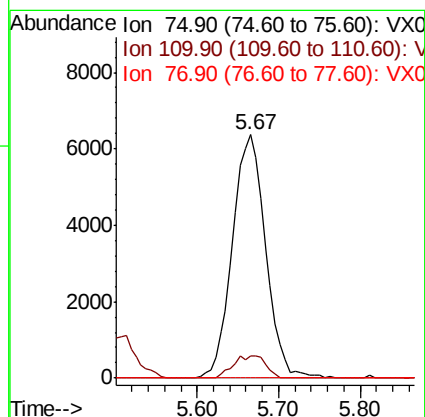
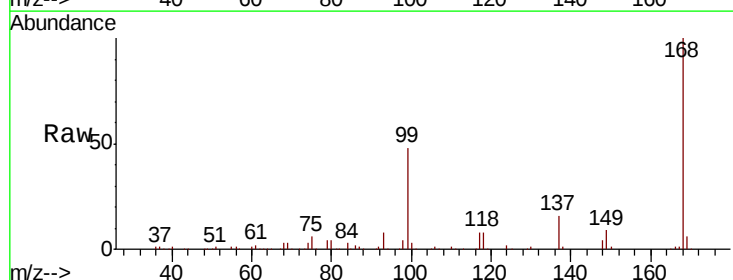
Instrument :
 MSVOA_X
 ClientSampleId :
 2019-03-05-DUP-SW

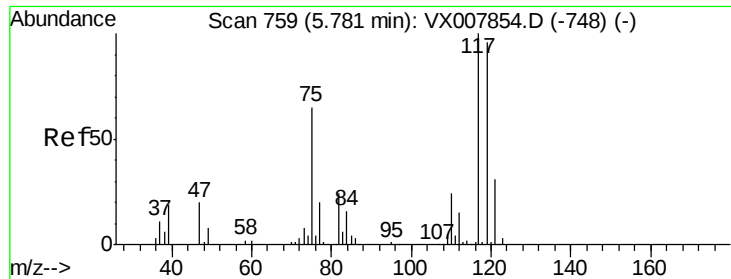
Tgt Ion:113 Resp: 148096
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.0
 192 24.5 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.453 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007889.D
 Acq: 07 Mar 2019 17:38

Tgt Ion: 75 Resp: 17940
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.0#
 77 0.0 25.0 37.4#

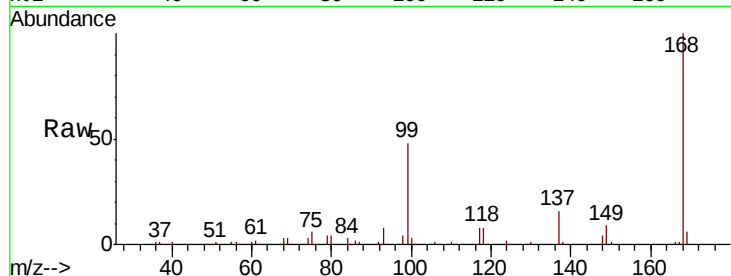




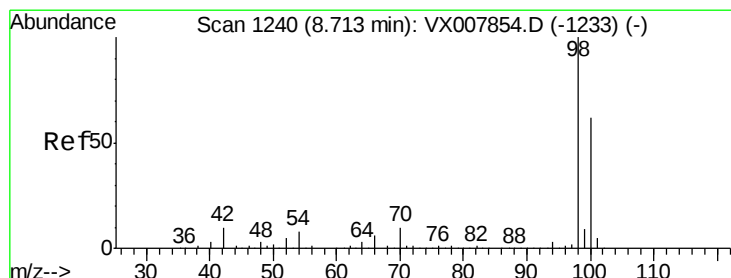
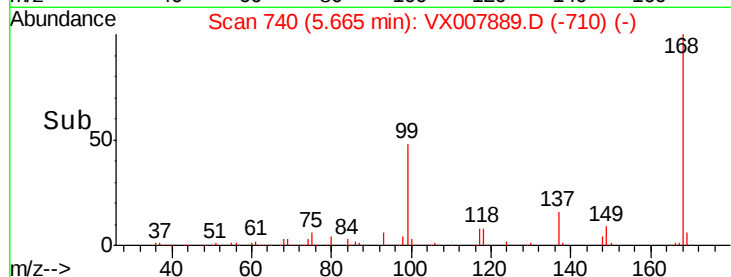
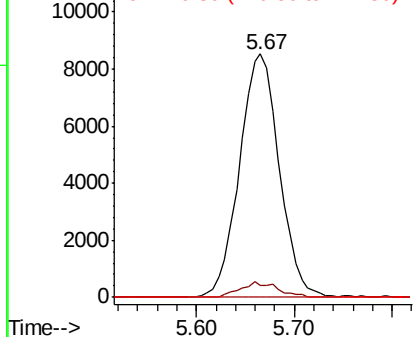
#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX007889.D
Acq: 07 Mar 2019 17:38

Instrument :
MSVOA_X
ClientSampleId :
2019-03-05-DUP-SW

Tgt Ion:117 Resp: 24055
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.6 36.8#

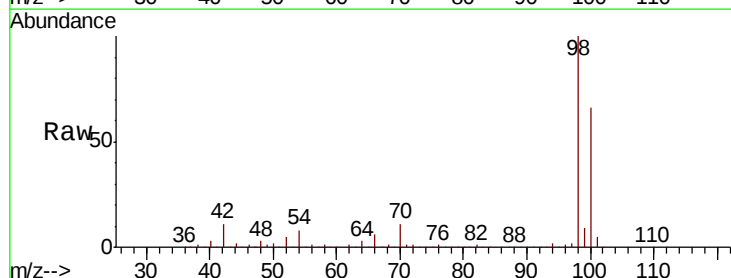


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

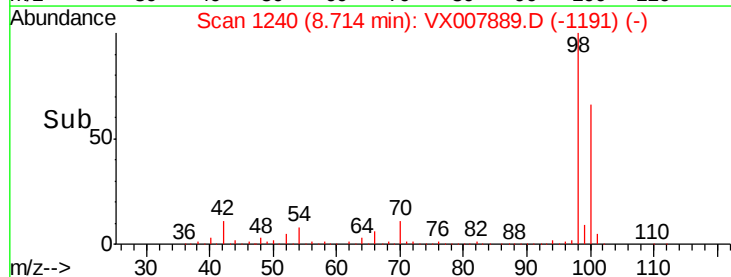
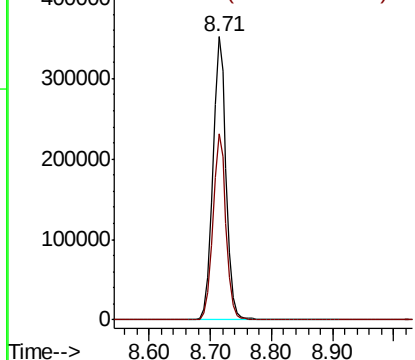


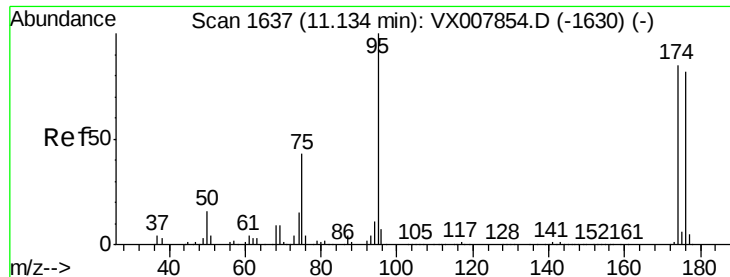
#50
Toluene-d8
Concen: 51.471 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007889.D
Acq: 07 Mar 2019 17:38

Tgt Ion: 98 Resp: 537989
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.933 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

2019-03-05-DUP-SW

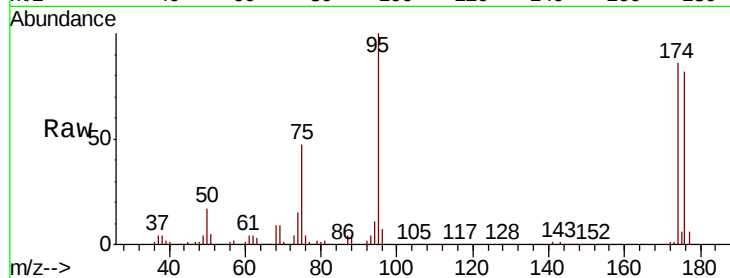
Tgt Ion: 95 Resp: 193977

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

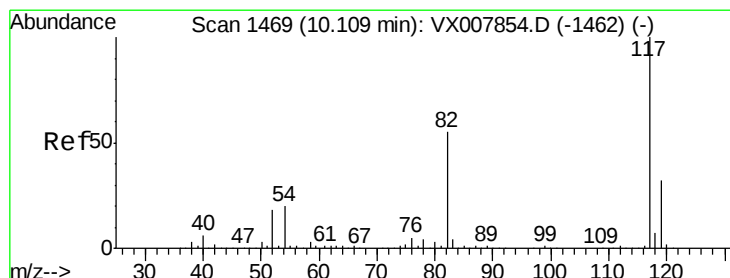
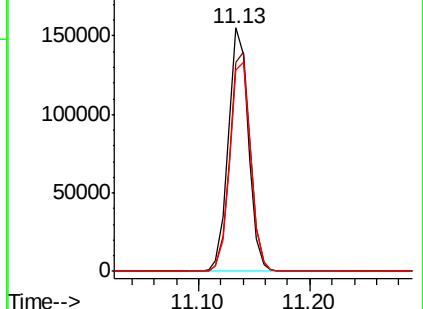
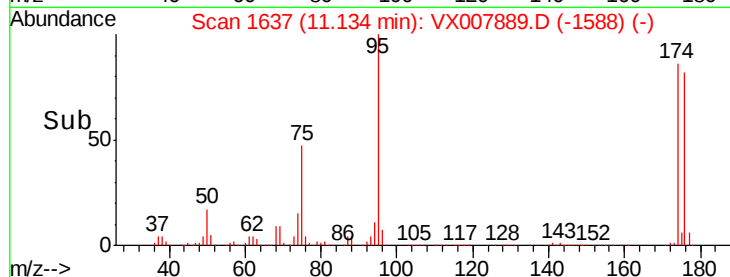
176 89.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007889.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007889.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007889.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

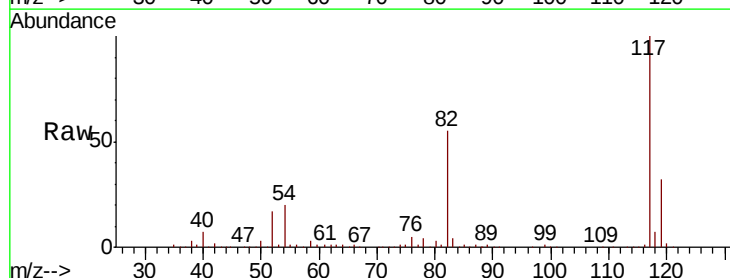
Tgt Ion: 117 Resp: 416975

Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

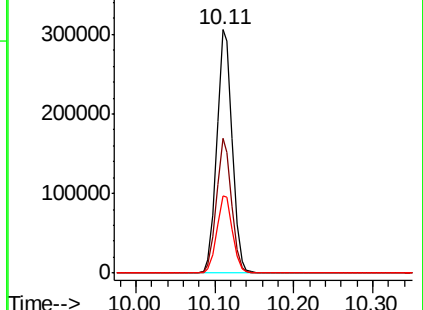
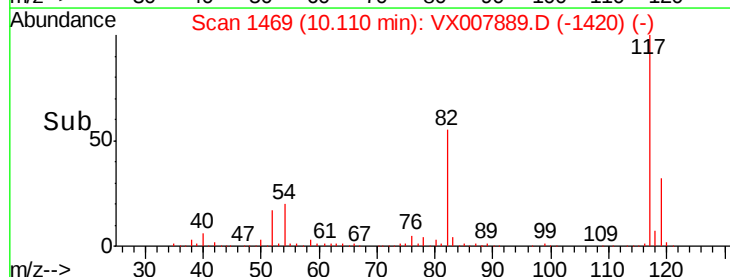
119 31.9 25.3 37.9

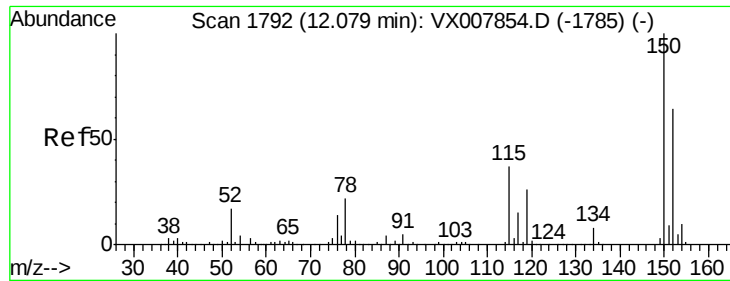


Abundance Ion 116.90 (116.60 to 117.60): VX007889.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007889.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007889.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

2019-03-05-DUP-SW

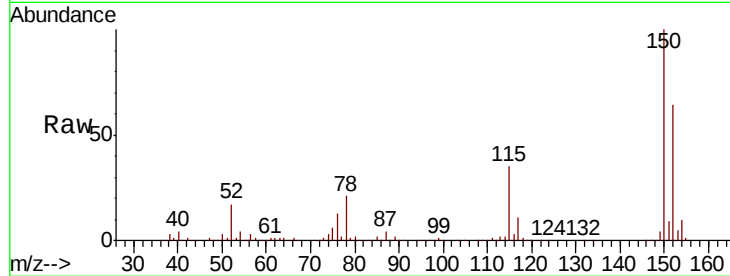
Tgt Ion:152 Resp: 198916

Ion Ratio Lower Upper

152 100

115 55.4 38.6 115.7

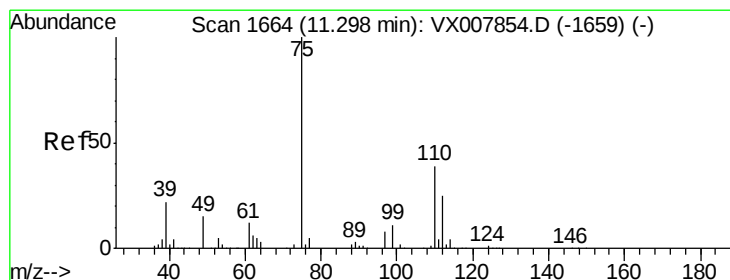
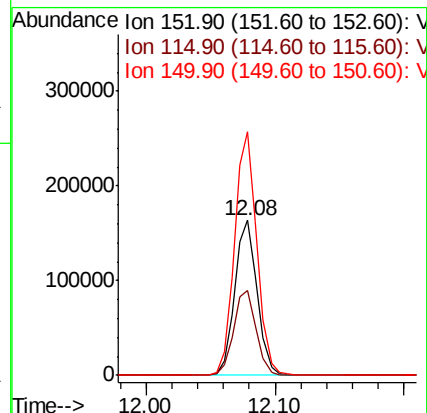
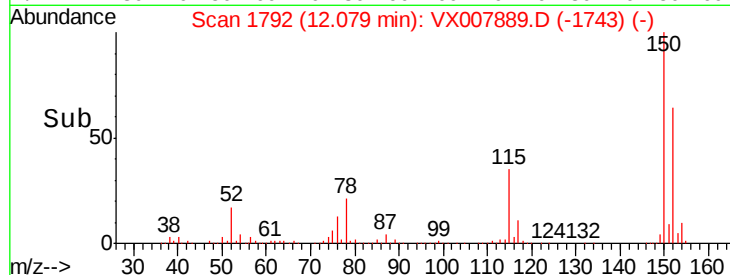
150 156.8 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.536 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007889.D

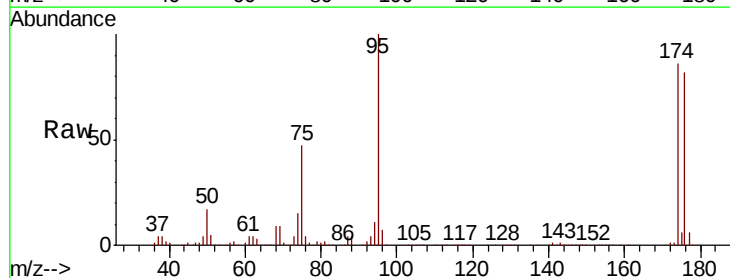
Acq: 07 Mar 2019 17:38

Tgt Ion: 75 Resp: 89894

Ion Ratio Lower Upper

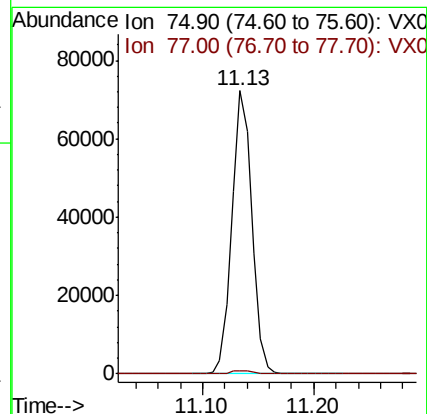
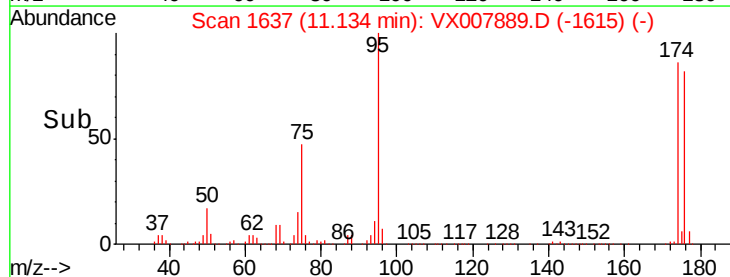
75 100

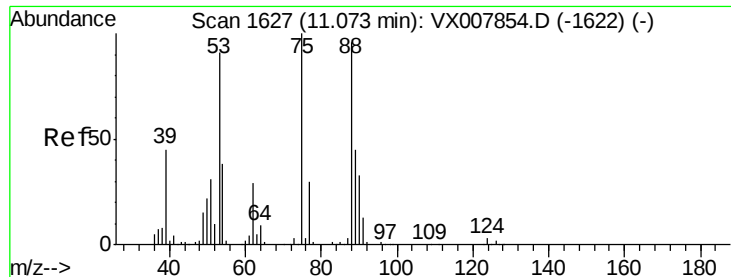
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.840 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007889.D

Acq: 07 Mar 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

2019-03-05-DUP-SW

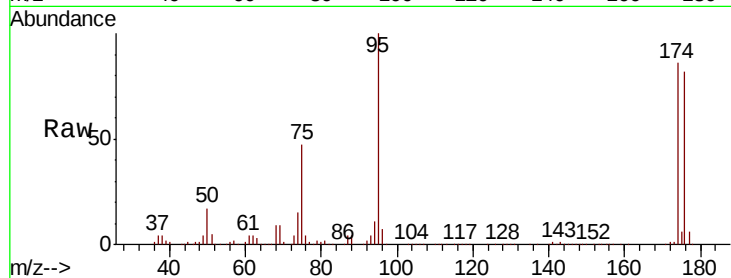
Tgt Ion: 75 Resp: 89894

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

